

**REMARKS**

Claims 1-29 are pending in this application.

Claims 1-29 have been rejected.

Claims 1, 8 and 22 has been amended herein.

Reconsideration and full allowance of Claims 1-29 are respectfully requested.

**I. OBJECTION TO THE SPECIFICATION**

In Section 3 of the January 18, 2006, Office Action, the Examiner objected to the specification because of various informalities. In response, the Applicant has amended the specification to correct the informalities noted by the Examiner. No new matter has been added to the specification by this amendment. The Applicant respectfully requests the withdrawal of the objection.

**II. RECOMMENDATIONS**

In Section 4 of the January 18, 2006, Office Action, the Examiner recommended amending the preamble of independent Claim 8, and provided recommended language for the amended preamble. In response, the Applicant has amended the preamble of Claim 8 to track more closely the preambles of independent Claims 1 and 22. While the language of the amended claim is not identical to that proposed by the Examiner, the Applicant respectfully suggests that the amendment complies with the intent of the Examiner's recommendation.

### III. REJECTION UNDER 35 U.S.C. § 102

In Section 6 of the January 18, 2006, Office Action the Examiner rejected Claims 1-29 under 35 U.S.C. § 102(b) as being anticipated by Giorgi et al., “An Educational Environment for Program Behavior Analysis and Cache Memory Design” (“*Giorgi*”). This rejection is respectfully traversed.

A prior art reference anticipates a claimed invention under 35 U.S.C. § 102 only if every element of the claimed invention is identically shown in that single reference, arranged as they are in the claims. (*MPEP* § 2131; *In re Bond*, 910 F.2d 831, 832, 15 U.S.P.Q.2d 1566, 1567 (*Fed. Cir. 1990*)). Anticipation is only shown where each and every limitation of the claimed invention is found in a single prior art reference. (*MPEP* § 2131; *In re Donohue*, 766 F.2d 531, 534, 226 U.S.P.Q. 619, 621 (*Fed. Cir. 1985*)).

The *Giorgi* reference describes an educational software package (Csim) used as a teaching tool in a computer architecture course. (*See Page 1243, left column, 2<sup>nd</sup> para.*). A user of Csim may build a program and execute the program on an instruction set simulator to produce a trace file of the memory accesses performed by the program during its simulated execution. (*See Page 1244, left column, 3<sup>rd</sup> para.*). The trace file then provides input data for analysis tools that allow the user to analyze the performance of the program on one or more specified system architectures. (*See Page 1244, left column, 5<sup>th</sup> para., through right column, 2<sup>nd</sup> para.*).

The Applicant has amended independent Claim 1 to more clearly recite what the Applicant regards as the invention. Amended Claim 1 recites the limitation of a memory access monitor that monitors, during simulated execution of a program, memory accesses by the program to a simulated memory space. This is in distinct contrast to the educational software package of the *Giorgi*

reference, which creates a trace file during simulated program execution, then analyzes the trace file after the simulation has completed.

For these reasons, the Office Action does not establish that the *Giorgi* reference anticipates the Applicant's invention as recited in amended independent Claim 1 (and its dependent claims). For similar reasons, the *Giorgi* reference fails to anticipate the Applicant's invention as recited in amended independent Claims 8 and 22 (and their dependent claims). Accordingly, the Applicant respectfully requests withdrawal of the § 102 rejection and full allowance of Claims 1-29.

**SUMMARY**

If any issues arise, or if the Examiner has any suggestions for expediting allowance of this application, the Applicant respectfully invites the Examiner to contact the undersigned at the telephone number indicated below or at [wmunck@davismunck.com](mailto:wmunck@davismunck.com).

The Commissioner is hereby authorized to charge any additional fees connected with this communication (including any extension of time fees) or credit any overpayment to Deposit Account No. 50-0208.

Respectfully submitted,

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